

- - 9. A method for inactivating pathogens in a biological material by incubating for an appropriate period of time said biological material with a chemical agent, comprising adsorbing said biological material on a solid carrier and incubating with said chemical agent in the presence of an eluotropic salt corresponding to a NaCl concentration of at least 200 mM, incubation thereby being effected simultaneously with or immediately after elution of said biological material.

10. A method as set forth in claim 9, wherein said pathogens are viruses.

11. A method as set forth in claim 9, wherein said eluotropic salt corresponds to a NaCl concentration of at least 300 mM.

12. A method as set forth in claim 9, wherein said chemical agent is a detergent.

13. A method as set forth in claim 12, wherein said detergent is in an amount of at least 1%.

14. A method as set forth in claim 12, wherein said detergent is in an amount of more than 5%.

15. A method as set forth in claim 12, wherein said detergent is in an amount of more than 10%.

16. A method as set forth in claim 9, wherein said eluotropic salt is sodium chloride.

17. A method as set forth in claim 9, wherein said period of time for incubating is between 10 min and 10 h.

18. A method as set forth in claim 17, wherein said period of time for incubating is between 1 h and 5 h.

19. A method as set forth in claim 9, wherein said biological material is selected from the group consisting of plasma, a plasma fraction and a material from a cell culture.

20. A method as set forth in claim 9, wherein said biological material comprises a blood factor.

21. A method as set forth in claim 9, wherein said biological material comprises a vitamin K-dependent protein.

22. A method as set forth in claim 9, wherein said biological material is a prothrombin complex-containing fraction.

23. A method as set forth in claim 9, wherein said biological material adsorbed on said solid carrier is purified, and said incubation is effected after said elution of said purified material.

24. A method as set forth in claim 9, wherein said solid carrier is a chromatographic material.

25. A method as set forth in claim 24, wherein said chromatographic material is used in ion exchange chromatography or affinity chromatography.

26. A method as set forth in claim 9, further comprising an additional step for purifying said biological material.

27. A method as set forth in claim 26, wherein said additional step for purifying comprises a chromatographic purification.

28. A method as set forth in claim 9, further comprising an additional step of inactivating and/or depleting pathogens.

29. A method as set forth in claim 28, wherein said additional step is selected from the group consisting of a filtration and a heat treatment.

30. A method as set forth in claim 9, wherein said chemical agent is a non-ionic detergent selected from the group consisting of Tween and Triton.

31. A chromatographically purified preparation comprising an autodynamically activatable blood factor in a portion of less than 50%, based on its content of activated and non-activated blood factor, and a detergent content.

32. A preparation as set forth in claim 31, wherein said autodynamically activatable blood factor is comprised in a portion of less than 40%.

33. A preparation as set forth in claim 31, wherein said autodynamically activatable blood factor is comprised in a portion of less than 30%.

34. A preparation as set forth in claim 31, wherein said autodynamically activatable blood factor is comprised in a portion of less than 20%.

35. A preparation as set forth in claim 31, wherein said autodynamically activatable blood factor is comprised in a portion of less than 10%.

36. A preparation as set forth in claim 31, wherein said autodynamically activatable blood factor is comprised in a portion of less than 1%.

37. A preparation as set forth in claim 31, wherein said blood factor is selected from the group consisting of factor VII, factor XII, factor XI and prekallikrein.

38. A preparation as set forth in claim 31, said preparation comprising a prothrombin complex with a factor VIIa activity of less than 50%, based on its content of activated and non-activated factor VII.

39. A preparation as set forth in claim 38, wherein said factor VIIa activity is less than 10%.

40. A preparation as set forth in claim 38, wherein said factor VIIa activity is less than 1%.

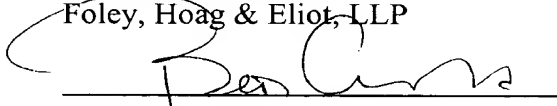
41. A preparation as set forth in claim 31, wherein said preparation is free from serine protease inhibitors and serine protease cofactors.

42. A preparation as set forth in claim 31, which is obtainable by a method for inactivating pathogens in a biological material by incubating said biological material with a chemical agent, wherein said biological material is adsorbed on a solid carrier and incubated with said chemical agent in the presence of an elutropic salt corresponding to a NaCl concentration of at least 200 mM, incubation thereby being effected simultaneously with or immediately after elution of said biological material. - -

add a!

Applicants submit that the claims being added in the preliminary amendment are in compliance with all patentability requirements. Applicants therefore respectfully request that the claims be allowed. To expedite allowance, the Examiner is encouraged to contact Applicants' attorney at the number provided below.

Respectfully submitted,
Foley, Hoag & Eliot, LLP


Beth E. Arnold
Registration No. 35,430
Attorney for Applicant

Date: October 7, 1999
Patent Group
One Post Office Square
Boston, Massachusetts 02109
Telephone: (617) 832-1177
Facsimile: (617) 832-7000